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APPLICATION NO.	FILI	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/846,490	04	/30/2001	Benjamin Niles Eldridge	P6D2-US	5397
27520	7590	08/14/2002			
FORMFAC	-		EXAMINER		
LEGAL DEPARTMENT 2140 RESEARCH DRIVE				ARBES, CARL J	
LIVERMORE, CA 94550				ART UNIT	PAPER NUMBER
				3729 DATE MAILED: 08/14/2002	ID

Please find below and/or attached an Office communication concerning this application or proceeding.

y.	Application No.	Applicant(s)
(. :	09/846,490	ELDRIDGE ET AL.
Office Action Summary	Examiner	Art Unit
	C. J. Arbes	3729
The MAILING DATE of this communicate	ion appears on the cover sheet w	ith the correspondence address
Period for Reply		
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica - If the period for reply specified above is less than thirty (30) day - If NO period for reply is specified above, the maximum statutor - Failure to reply within the set or extended period for reply will, It - Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a lation. ys, a reply within the statutory minimum of thir y period will apply and will expire SIX (6) MON by statute, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
1)⊠ Responsive to communication(s) filed of	on 13 June 2000	
	☐ This action is non-final.	
3)☐ Since this application is in condition for	- ·	tters prosecution as to the merits is
closed in accordance with the practice		
4) Claim(s) 37-42 is/are pending in the ap	plication.	
4a) Of the above claim(s) is/are w	vithdrawn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>37-42</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction	and/or election requirement.	
pplication Papers		
9) The specification is objected to by the Ex		
10) The drawing(s) filed on is/are: a)		
Applicant may not request that any objection	-	
11) The proposed drawing correction filed on		disapproved by the Examiner.
If approved, corrected drawings are require	• •	
12) The oath or declaration is objected to by	the Examiner.	
riority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for	foreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority doc		
2. Certified copies of the priority doc		
 3. Copies of the certified copies of the application from the Internation * See the attached detailed Office action for 	onal Bureau (PCT Rule 17.2(a)).	_
14) Acknowledgment is made of a claim for d		
a) The translation of the foreign languation of the foreign languation. 15) Acknowledgment is made of a claim for details.	age provisional application has b	peen received.
ttachment(s)	and the second s	- 00 -== mme ·=-
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-5) Information Disclosure Statement(s) (PTO-1449) Paper	948) 5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)
Patent and Trademark Office O-326 (Rev. 04-01)	Office Action Summary	Part of Paper No. 9

In view of Applicants' prior art submission and further in view of submitting more relevant prior art a new **non-Final** Office Action is given hereinafter

Claims 37-42 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 37 Applicants recite that they deposit "at least one layer of at least one conductive material on the surface..." and also "deposit at least one layer of at least one conductive material into the openings...". This language is held to be unclear, vague and indefinite inasmuch as it cannot be determined if the conductive is the same or is different. As applied to claim 38 it cannot be understood how one "deposits a joining material ... into the openings..." after the openings already contain conductive material therein. It is far from clear the scopes of these claims.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claim 37, as understood, is further rejected under 35 U.S.C. 102(a) as being anticipated by Yanof et al (of record).

.The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to

be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 38-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yanof et al. Yanof et al teach a method of making a probe wherein conductive material is plated onto a surface of a substrate (Cf Fig 2, element 22 and related disclosure). Masking material is deposited over the conductive material and openings are patterned therein. Another conductive material is deposited into the mask's openings and the masking is removed. It would have been obvious for one or ordinary skill in the art to deposit joining material onto the conducting material in order to provide strength and resilience (Cf Col 5). As further applied to Claim 42 it is held to be mere design choice to provide that the resilient contact structures are disposed atop a space transformer because the tip structures can be attached to just about anything which is useful to conduct electrical current i.e. to act as a test probe. As applied to claim 43 the limitation recited therein is also held to be one of design choice since the character of the substrate is not relevant to the manufacture of probe tips. That is, the probe tips can be placed onto any substrate which conducts electrical current.

Any inquiry concerning this communication should be directed to C. J.

Arbes at telephone number (703)308-1857.

CARL J. ARBES PRIMARY EXAMINER